# INDUSTRIAL ENGINEERING

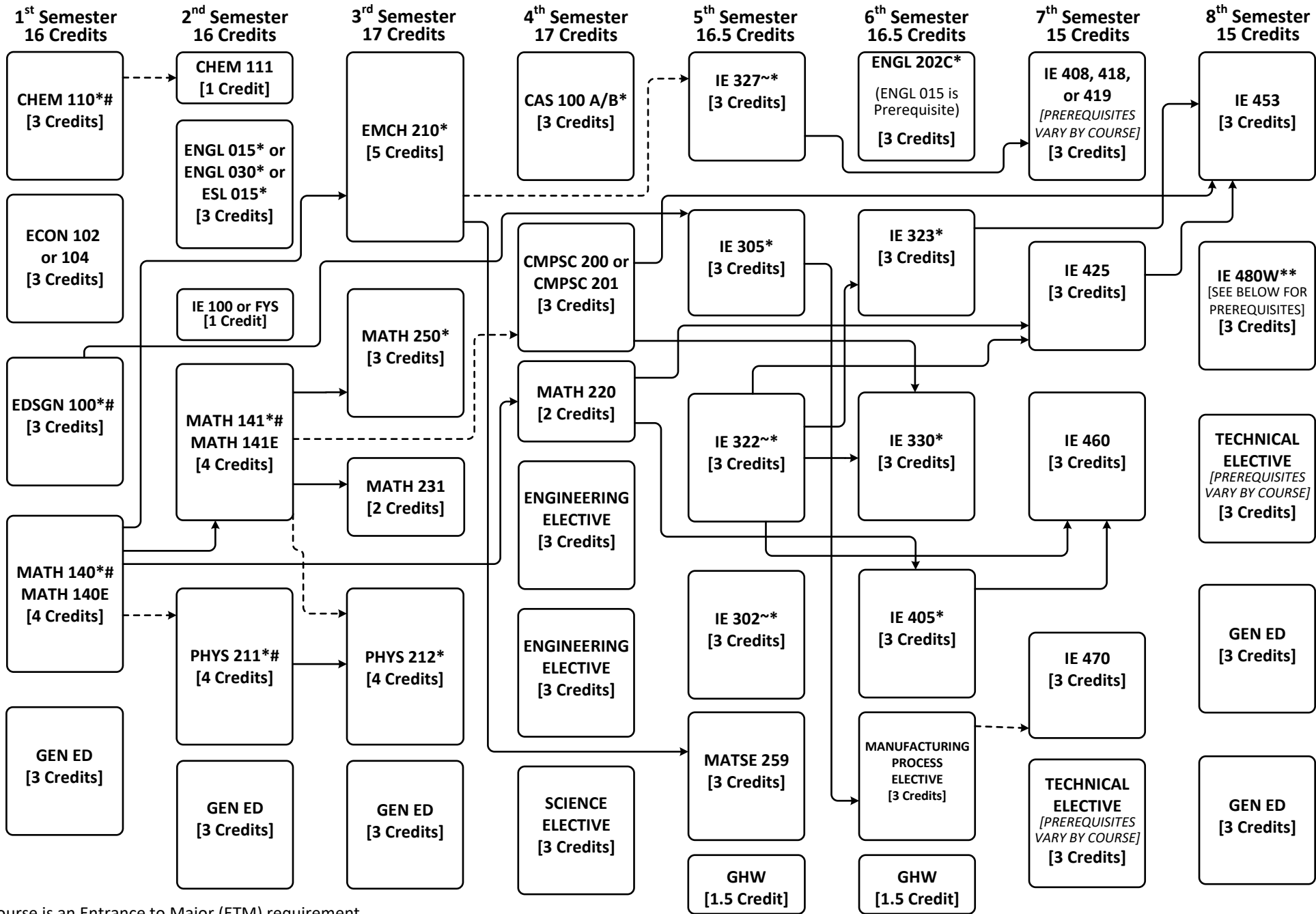| 1st Semester 16 Credits | 2nd Semester 16 Credits | 3rd Semester 17 Credits | 4th Semester 17 Credits | 5th Semester 16.5 Credits | 6th Semester 16.5 Credits | 7th Semester 15 Credits | 8th Semester 15 Credits |
|---|---|---|---|---|---|---|---|
| CHEM 110*# [3 Credits] | CHEM 111 [1 Credit] | EMCH 210* [5 Credits] | CAS 100 A/B* [3 Credits] | IE 327~* [3 Credits] | ENGL 202C* (ENGL 015 is Prerequisite) [3 Credits] | IE 408, 418, or 419 *[PREREQUISITES VARY BY COURSE]* [3 Credits] | IE 453 [3 Credits] |
| | ENGL 015* or ENGL 030* or ESL 015* [3 Credits] | | CMPSC 200 or CMPSC 201 [3 Credits] | IE 305* [3 Credits] | IE 323* [3 Credits] | IE 425 [3 Credits] | IE 480W** [SEE BELOW FOR PREREQUISITES] [3 Credits] |
| ECON 102 or 104 [3 Credits] | IE 100 or FYS [1 Credit] | MATH 250* [3 Credits] | MATH 220 [2 Credits] | IE 322~* [3 Credits] | IE 330* [3 Credits] | IE 460 [3 Credits] | TECHNICAL ELECTIVE *[PREREQUISITES VARY BY COURSE]* [3 Credits] |
| EDSGN 100*# [3 Credits] | MATH 141*# MATH 141E [4 Credits] | MATH 231 [2 Credits] | ENGINEERING ELECTIVE [3 Credits] | | | | |
| MATH 140*# MATH 140E [4 Credits] | PHYS 211*# [4 Credits] | PHYS 212* [4 Credits] | ENGINEERING ELECTIVE [3 Credits] | IE 302~* [3 Credits] | IE 405* [3 Credits] | IE 470 [3 Credits] | GEN ED [3 Credits] |
| GEN ED [3 Credits] | GEN ED [3 Credits] | GEN ED [3 Credits] | SCIENCE ELECTIVE [3 Credits] | MATSE 259 [3 Credits] | MANUFACTURING PROCESS ELECTIVE [3 Credits] | TECHNICAL ELECTIVE *[PREREQUISITES VARY BY COURSE]* [3 Credits] | GEN ED [3 Credits] |
| | | | | GHW [1.5 Credit] | GHW [1.5 Credit] | | |

# Course is an Entrance to Major (ETM) requirement
~ Prerequisite requires MATH 141 course.
* Course requires a grade of C or better for the major

⟶ = Prerequisite    ⇢ = Prerequisite or Concurrent

*This is meant to mirror the current Suggested Academic Plan found at* **bulletins.psu.edu**

**IE 302, 305, 323, 327, 405; IE 330 are pre/concurrent**